

IN THE SPECIFICATION:

Please amend Page 8, Paragraph [0033] to read as follows:

The event identification support means 2 comprises an EEG signal receiving section 21 for receiving the EEG signal, an ECG signal receiving section 22 for receiving the ECG signal, system signal receiving section [[5]] 25 for receiving a signal generated from the MRI system 4, a noise eliminating section 23 for eliminating heart beat noise and system noise generated accompanying the operation of the MRI system 4, which are superimposed on the EEG signal, and a frequency analyzing section 24 for analyzing the frequency of the EEG signal from which the aforementioned noises have been eliminated and outputting the result of analysis in various forms.

Please amend Page 9, Paragraph [0034] to read as follows:

Since a raw EEG signal (EEG original signal) contains ~~heat~~ heart beat noise and compressor noise as superimposed as shown in FIG. 3, the aforementioned noise eliminating section 23 is configured to subtract a heart beat noise pattern and a compressor noise pattern, which are generated by averaging a multiplicity of such EEG original signals previously added to each other, from the EEG original signal by causing the noise patterns to synchronize respective of the ECG signal and compressor operation signal received, thereby eliminating the influence thereof. Further, the noise eliminating section 23 has a function of making effective only an EEG signal generated in a scanning halted period by neglecting an EEG signal generated during scanning based on a scanning signal generated from the MRI system 4. This is because such an EEG signal generated during scanning is of no use due to noise caused by induced electromotive force of a strong magnetic field generated during scanning. Consequently, detection of an

electroencephalogram and examination by the MRI system 4 appear to be performed alternately (at time intervals of 4 seconds). FIG. 4 shows exemplary time-series data on an EEG signal thus shaped by the noise eliminating section 23. Since the electroencephalograph 1 has four channels, four pieces of data are shown in FIG. 4.